FIGURE 1 PRIOR ART

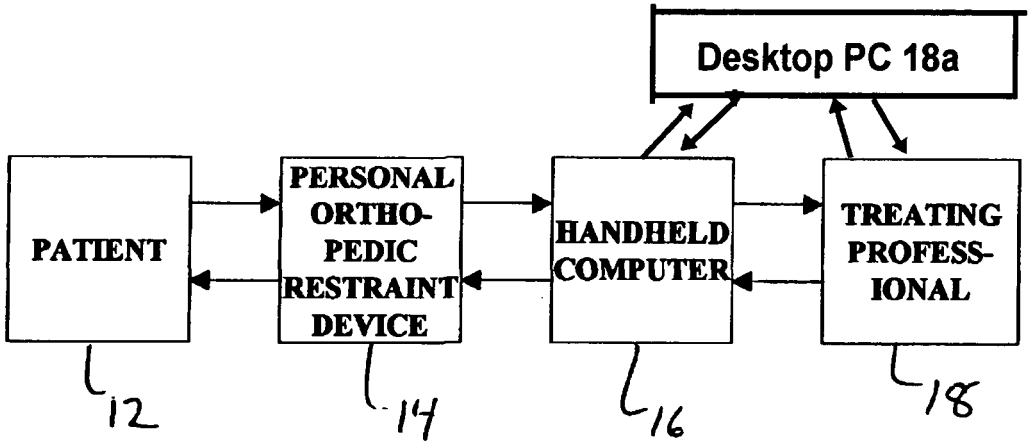


FIGURE 2 PRIOR ART

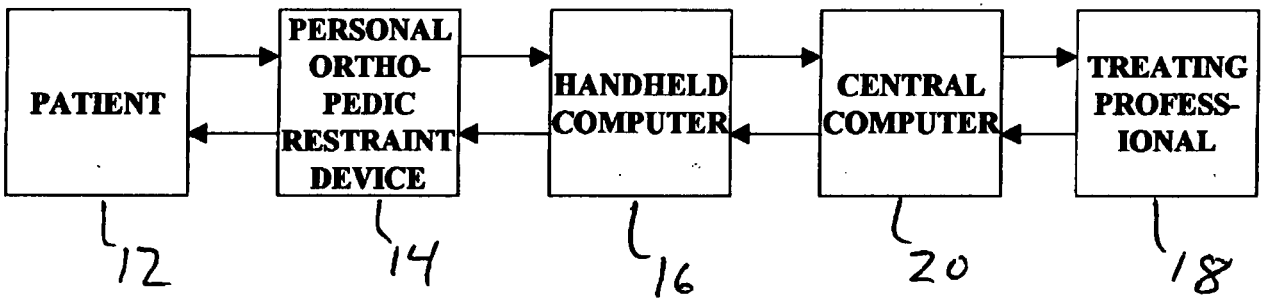
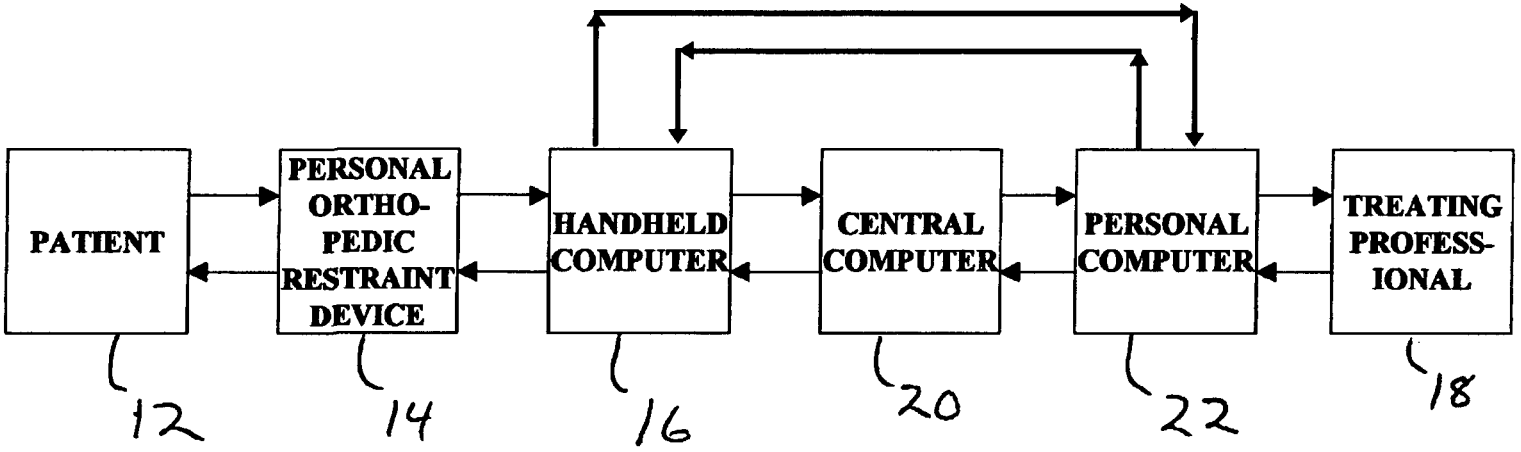


FIGURE 3 PRIOR ART



SUBSTITUTE SHEET

FIGURE 4

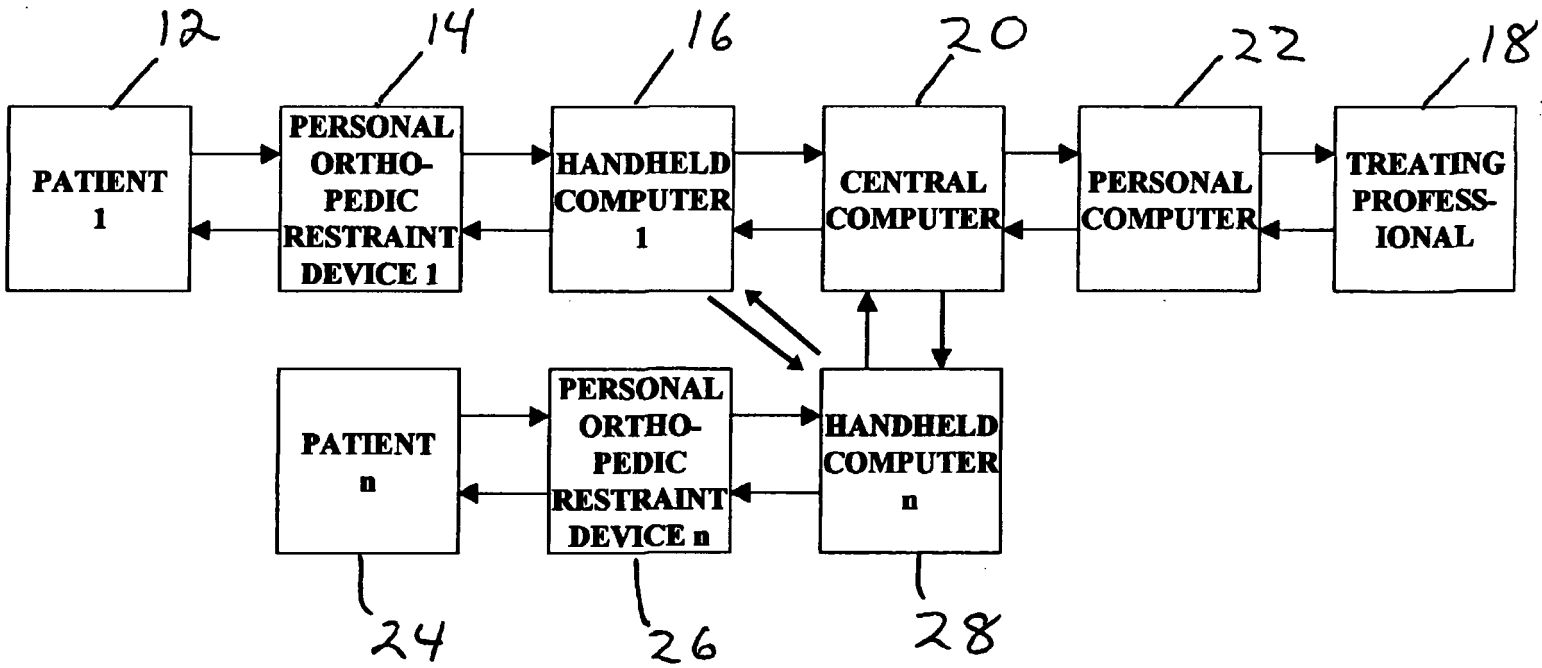
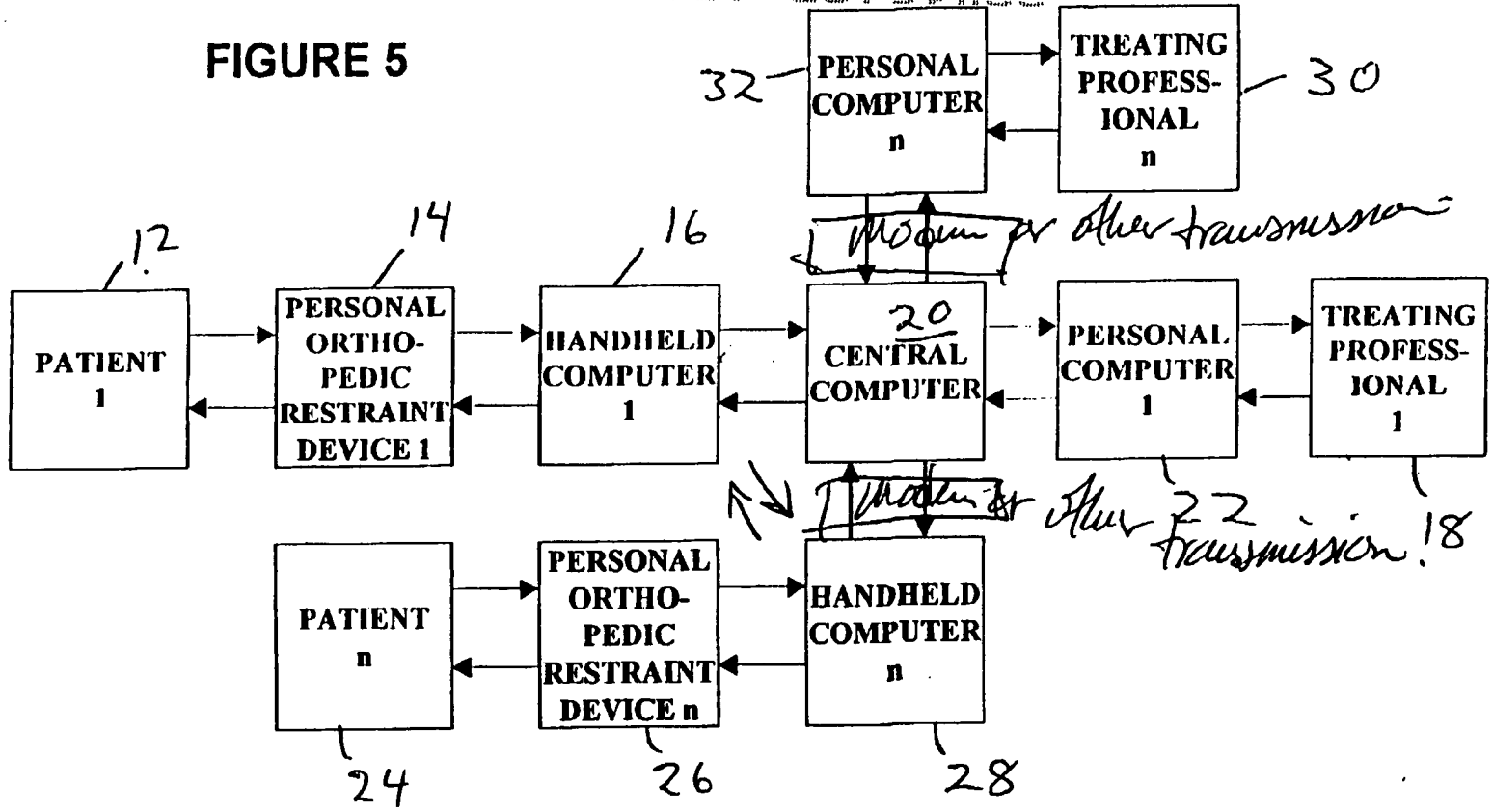
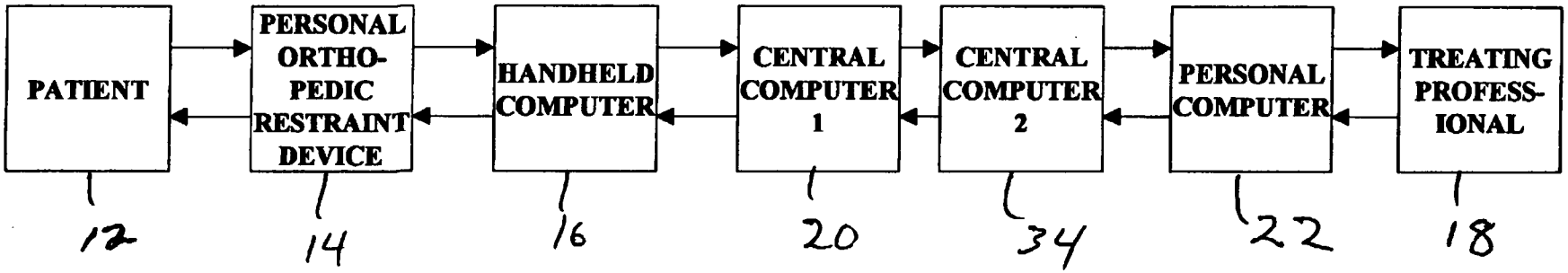


FIGURE 5


PERSONAL COMPUTER n
TREATING PROFESS-IONAL n
32
30
12
14
16
20
PATIENT 1
PERSONAL ORTHO-PEDIC RESTRAINT DEVICE 1
HANDHELD COMPUTER 1
CENTRAL COMPUTER
PERSONAL COMPUTER 1
TREATING PROFESS-IONAL 1
Modem or other transmission
Modem or other transmission
22
18
PATIENT n
PERSONAL ORTHO-PEDIC RESTRAINT DEVICE n
HANDHELD COMPUTER n
24
26
28

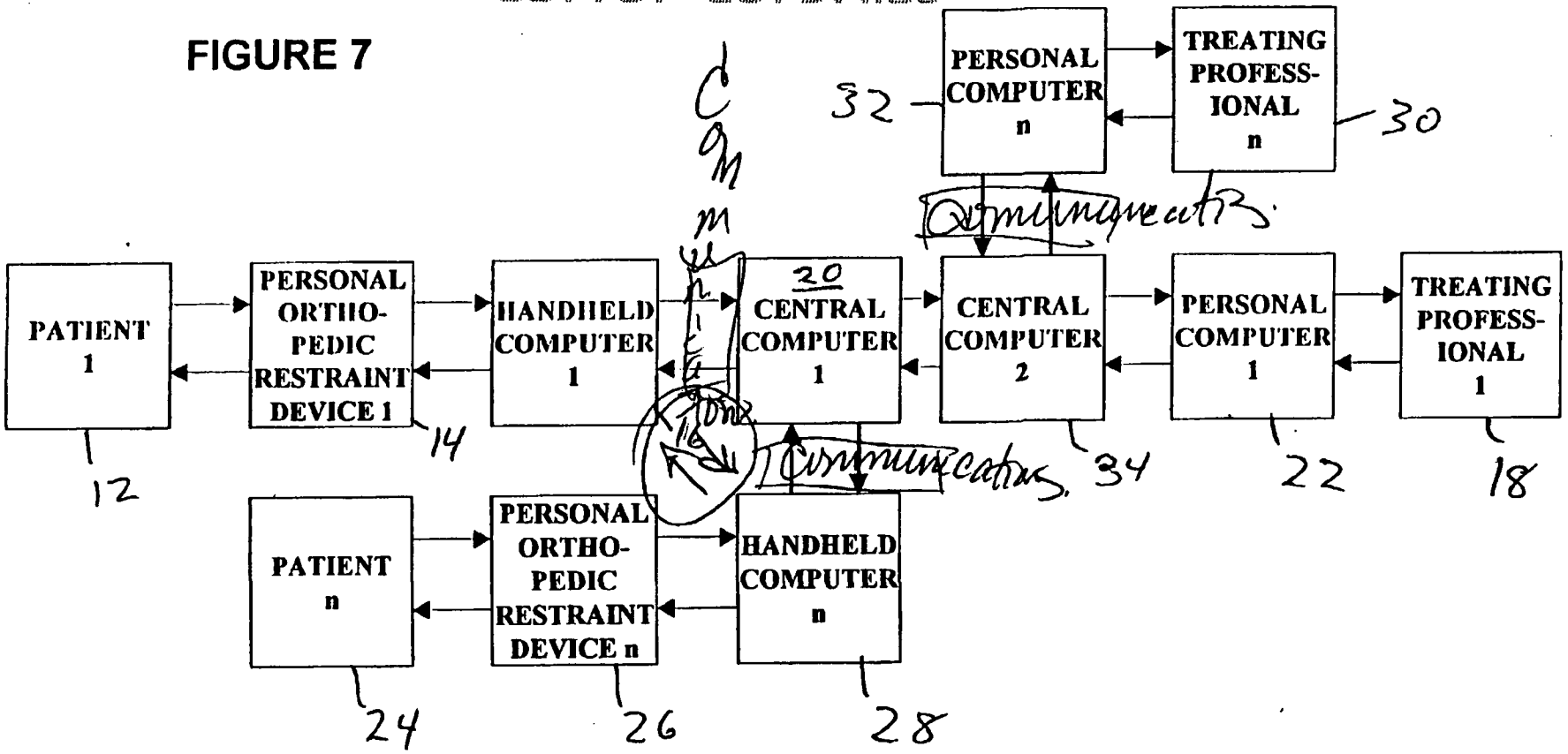
66TTOT"26T9T460

FIGURE 6



66TTOT"26T9TH60

FIGURE 7



6GTTOT" 2ST9TH6Q

FIGURE 8

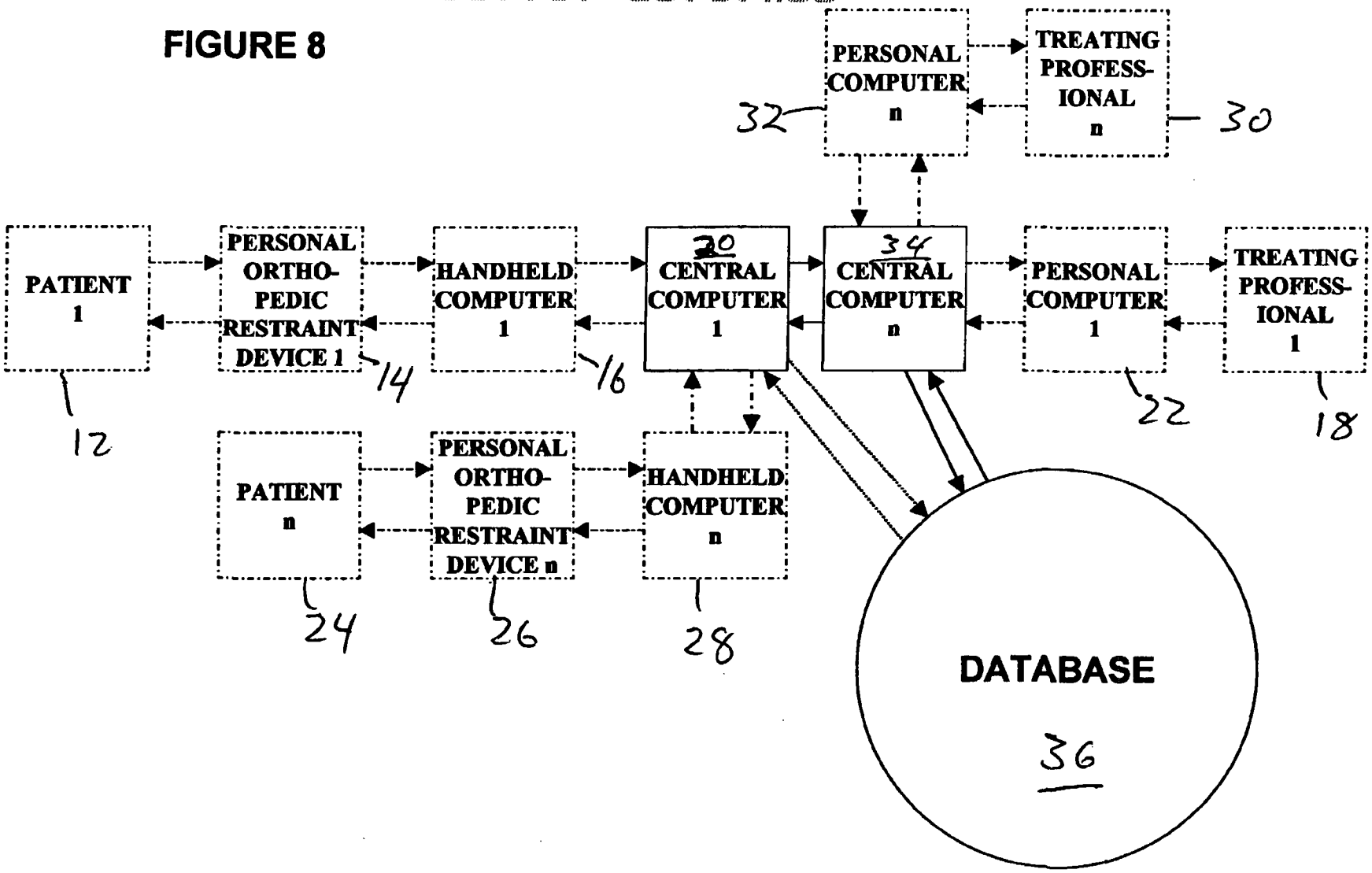
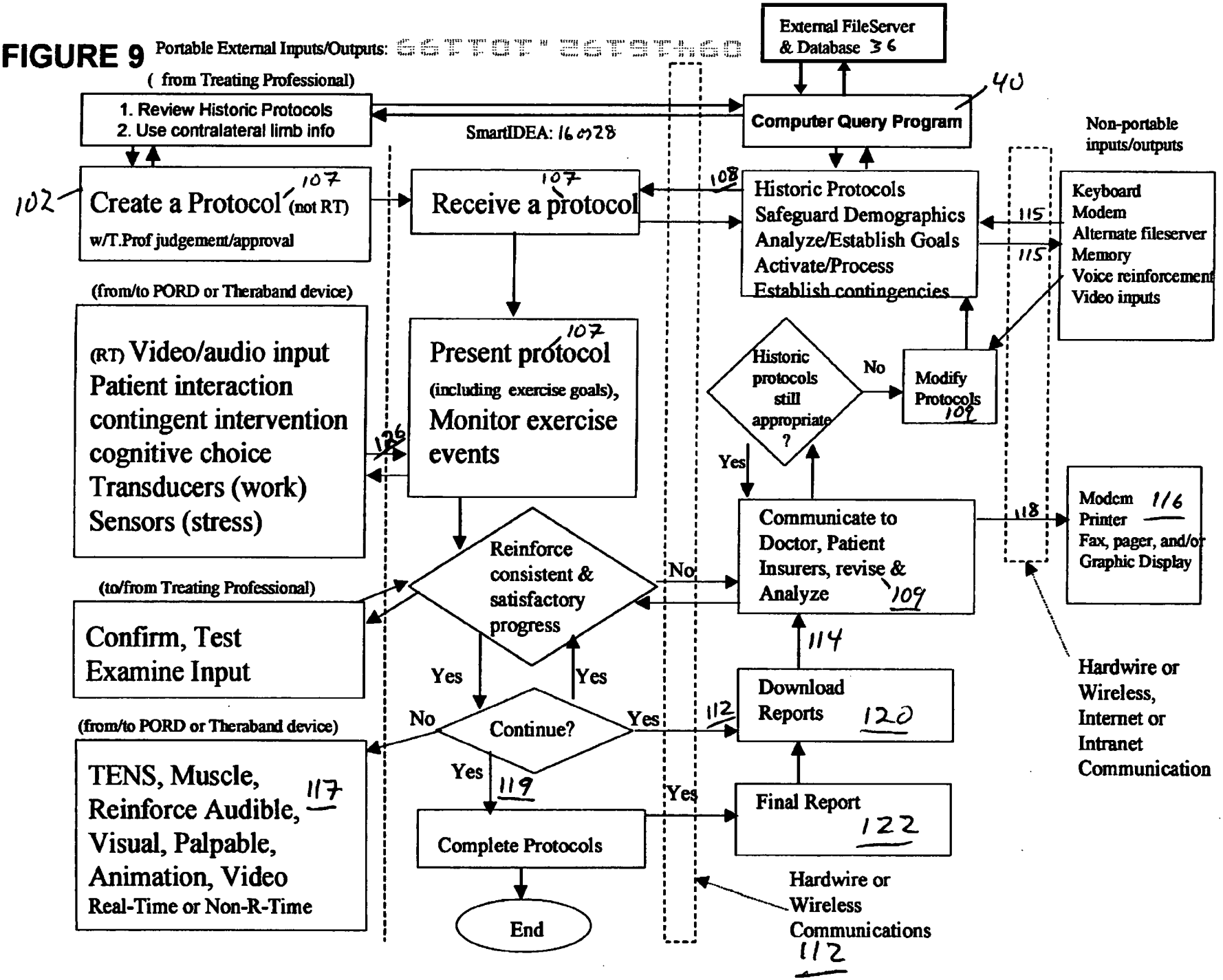
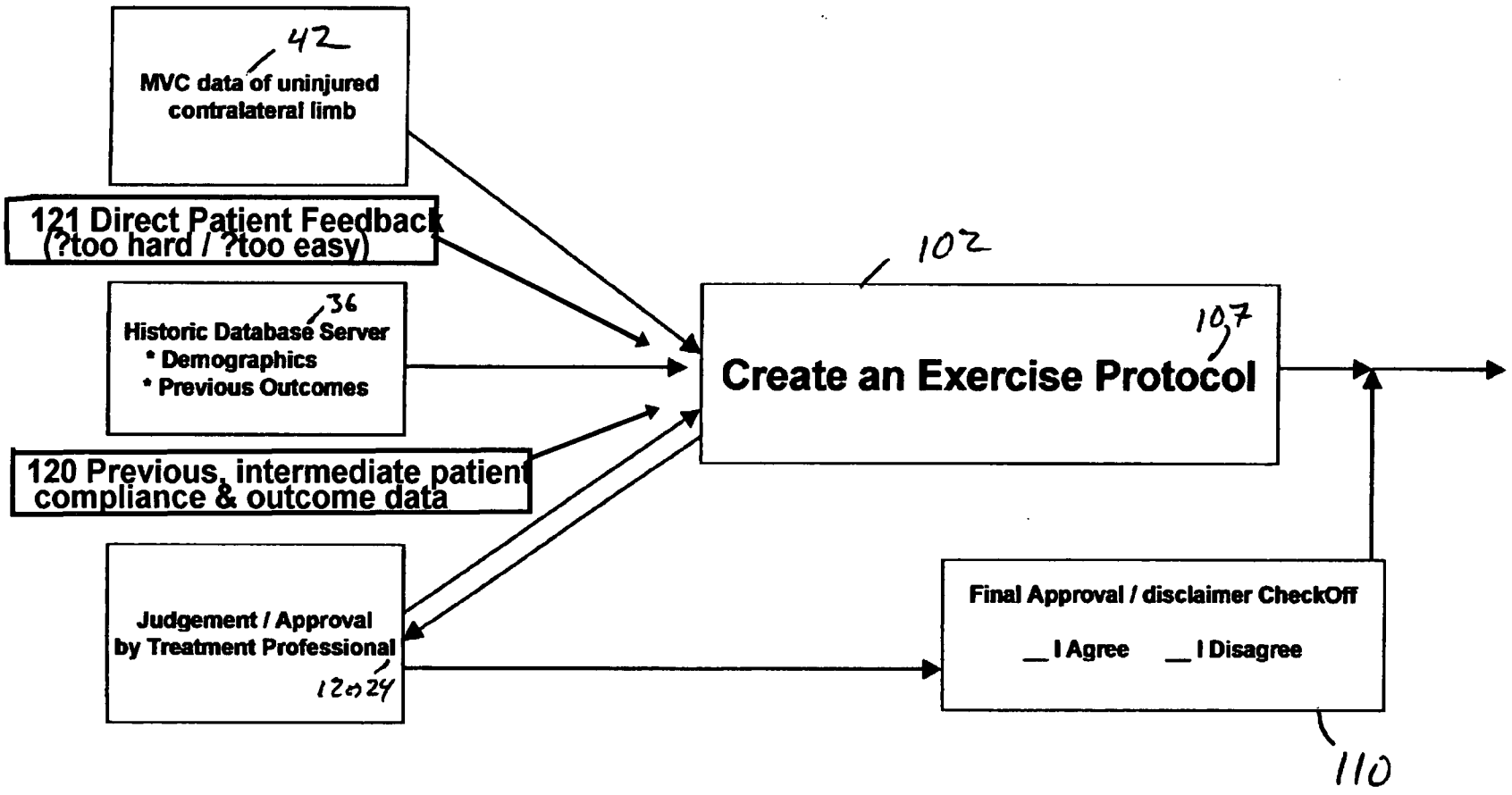


FIGURE 9 Portable External Inputs/Outputs:



6670T 2676450

Figure 10



SUBSTITUTE SHEET

FIG 11

Compliance Snapshot

Patient: Janet Doe
Physician: JB, MD
Demographic Class: Female, Young, Athletic

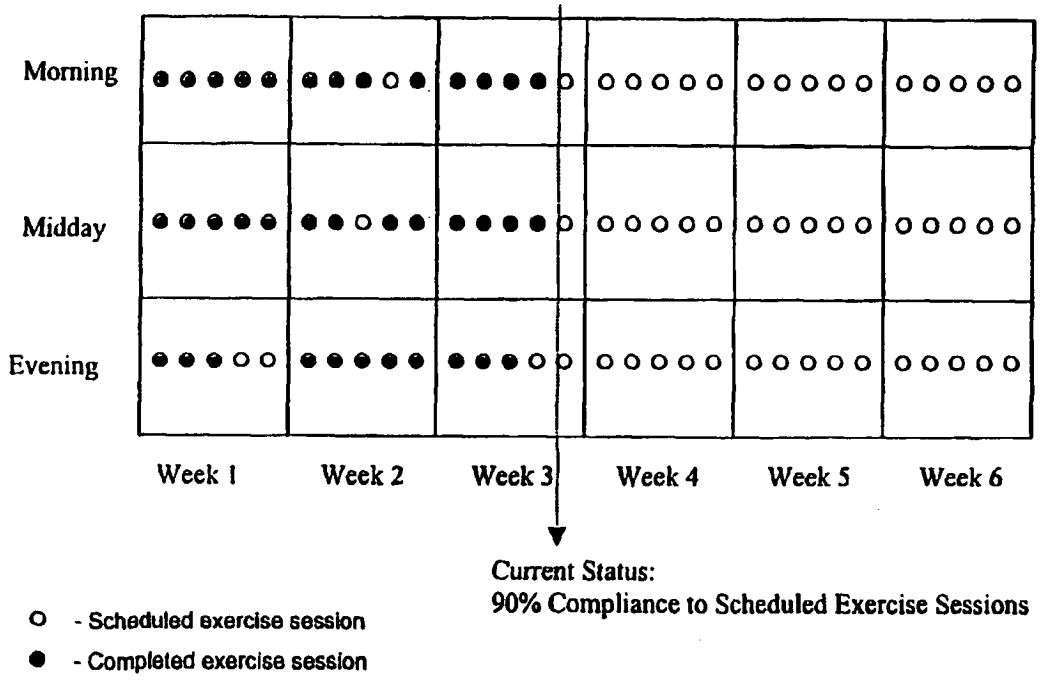
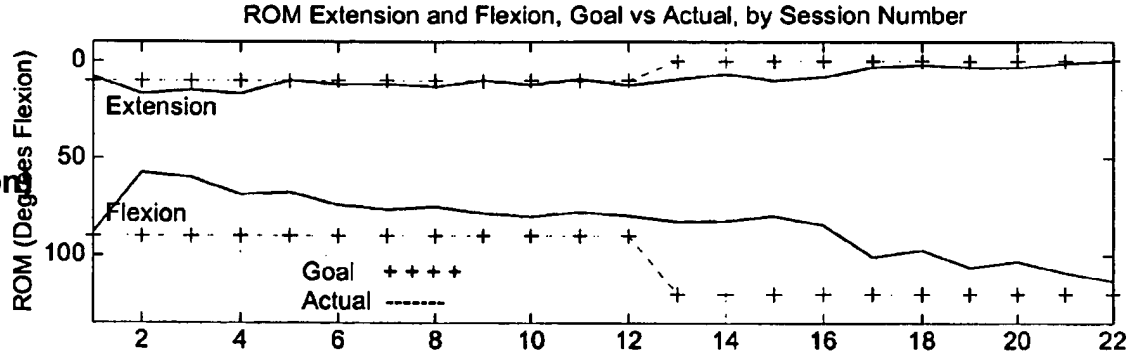


FIG 12

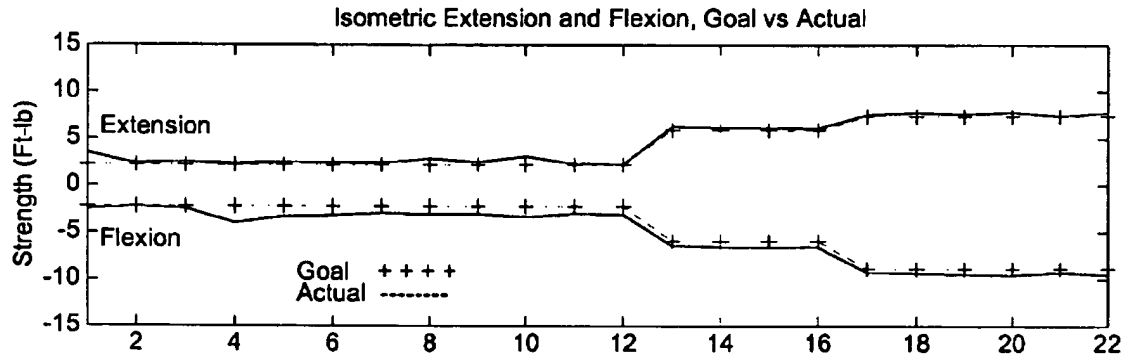
Patient Recovery Snapshot

Patient Name:	Joe Smith
DOB:	1973
Date of Injury/Surgery:	7-7-99
Injury:	R ACL Reconstruction
Physician:	Dr. John Doe
Physiatrist:	None
Physical Therapist:	Jane Peterson
Insurer:	
Report Date:	10-Sep-1999

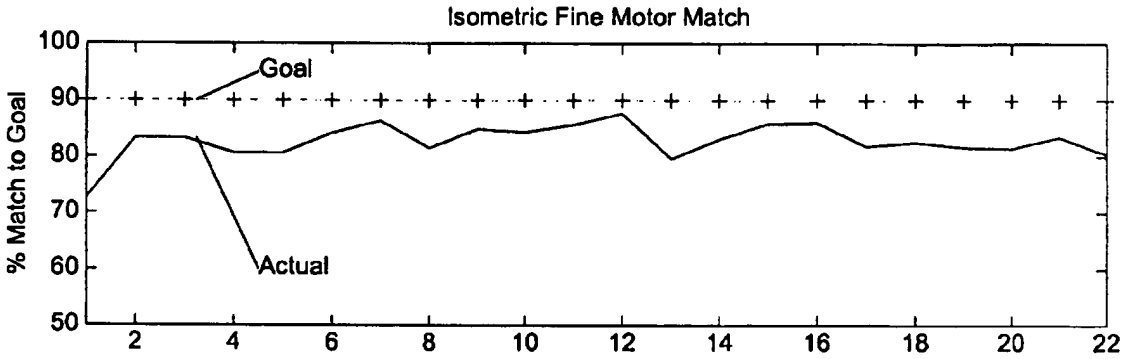
ROM
(Range of Motion)



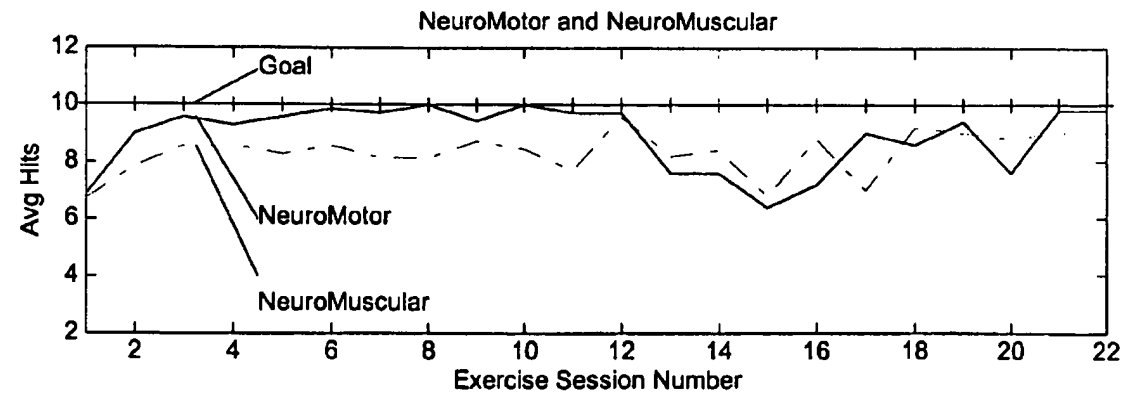
Strength



Fine Motor



Neuro-Motor & Muscular



6670070 26T9T60

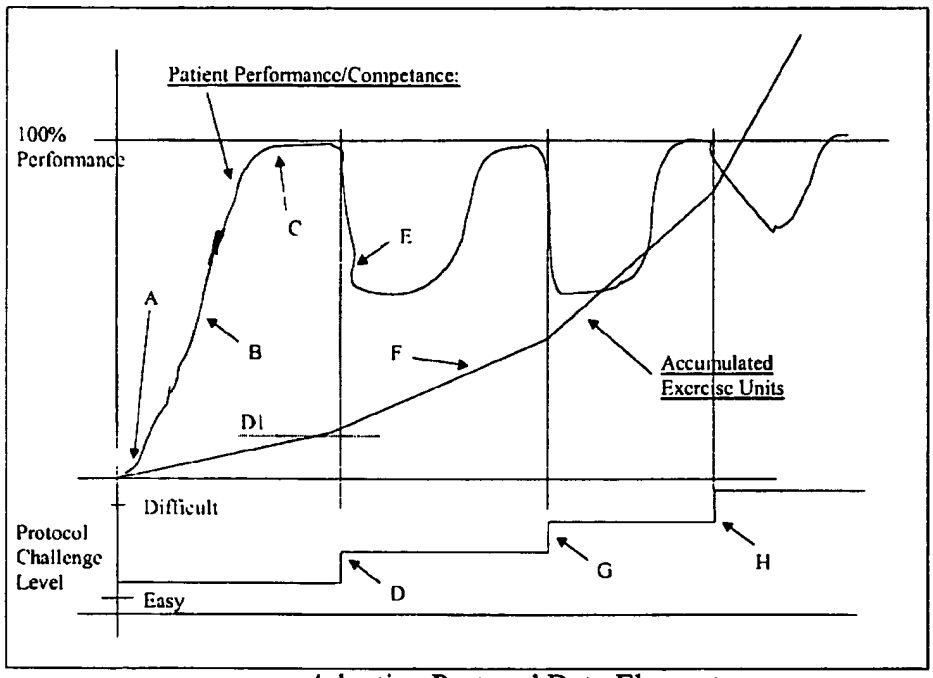
FIG 13

Recovery Goal Analysis

Patient: Janet Doe
Physician: JB, MD
Demographic Class: Female, Young, Athletic

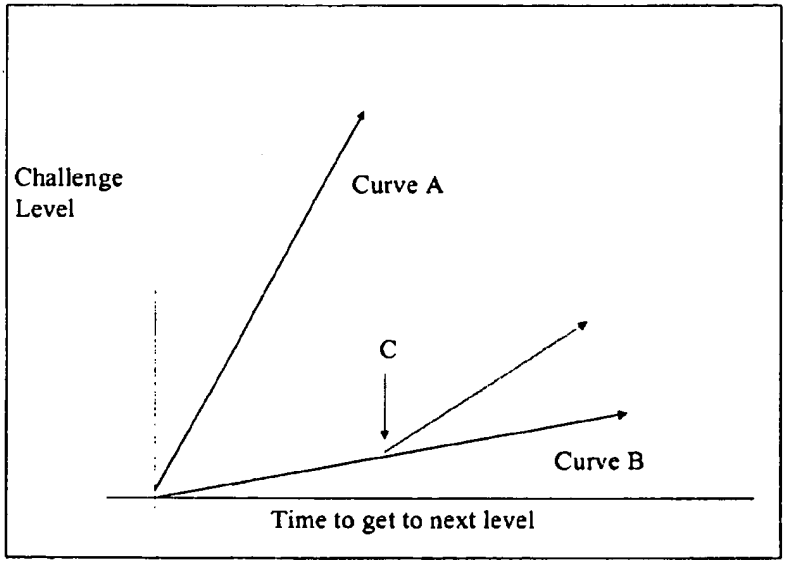
Actual Exercise Performance Patient Injured Limb	Benchmark goal or Patient Contra-lateral Limb goal	Statistical Historical Category Population
• ROM: 0 - ~~128~~ 117	• ROM: 0 - 128	• 0 - 125
• Quad MVC: ~~115~~ 105 ft/lb	• Quad MVC: 115 ft/lb	• 120 ft/lb
• Ham MVC: ~~118~~ 122 ft/lb	• Ham MVC: 118 ft/lb	• 123 ft/lb
• Fine Motor Match: ~~79~~ 77% avg.	• Fine Motor Match: 79% avg.	• 82%
• Neuromotor	• Neuromotor	
Difficulty: 100%	Difficulty: 100%	• 100%
Hits: 90%	Hits: 90%	• 91%
• Neuromuscular	• Neuromuscular	
Difficulty: 100%	Difficulty: 100%	• 100%
Hits: ~~80~~% 75	Hits: 80%	• 85%

FIG 14



Adaptive Protocol Data Elements

FIG 15



Challenge Level Rates over Time